

Serial No. 09/965,237
 Docket No. GSH 08-889792
Amendment E Under Rule 116

AMENDMENTS TO THE CLAIMS:

Please cancel claims 4 and 16, without prejudice, and amend claims 1, 11, 13, 22, 27 and 32 as set forth below.

This listing of claims will replace all prior versions and listings of claims in the Application:

Claim 1 (currently amended): A colour management user interface controller for use in a colour management system for assisting users to manage colour settings of multiple colour entities, the user interface controller comprising:

a representation controller for presenting to a user representations, each representing each of the multiple colour entities; and

a relation indicator controller for presenting to the user one or more relation indicators indicating colour relation between the multiple colour entities represented by the representations so as to assist the user to manage colour settings of the multiple colour entities,

wherein the relation indicator controller presents the relation indicators as arrow buttons, each arrow button representing a direction of use of colour settings of a corresponding colour entity.

Claim 2 (original): The user interface controller as claimed in claim 1, wherein the relation indicator controller has a function to allow the user to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.

Claim 3 (original): The user interface controller as claimed in claim 2, wherein the relation indicator controller has a function to change the appearance of a relation indicator when the relation indicator is selected by the user.

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Claim 4 (cancelled):

Claim 5 (original): The user interface controller as claimed in claim 2, wherein the relation indicator controller presents colour relation indicators which are available for user's selection.

Claim 6 (previously presented): The user interface controller as claimed in claim 2, wherein the relation indicator controller has a function to generate, in accordance with the relation indicator selected by the user, colour matching data indicating a colour entity whose colour settings is used for colour matching.

Claim 7 (previously presented): The user interface controller as claimed in claim 1, wherein the representation controller has a function to associate each representation of each of the multiple colour entities with a colour profile of the colour entity.

Claim 8 (previously presented): The user interface controller as claimed in claim 7, wherein the colour management system has a colour profile storage storing colour profiles of the multiple colour entities, and the representation controller has a function to obtain the colour profile of each of the multiple colour entities from the colour profile storage.

Claim 9 (previously presented): The user interface controller as claimed in claim 7, wherein the representation controller has a function to present to the user the colour profile of the multiple colour entities.

Claim 10 (previously presented): The user interface controller as claimed in claim 9, wherein the representation controller presents to the user a representation of a colour entity in multiple levels such that standard settings are presented in a main level and detailed settings are presented in a secondary level.

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Claim 11 (currently amended): A colour management system for assisting users to manage colour settings of multiple colour entities, the colour management system comprising:

a user interface controller for presenting to a user colour relation between the multiple colour entities in accordance with colour relation setting input by the user, the user interface controller comprising:

a representation controller for presenting to the user representations, each representing each of the multiple colour entities; and

a relation indicator controller for presenting to the user one or more relation indicators indicating the colour relation between the multiple colour entities represented by the representations,

wherein the relation indicator controller presents the relation indicators as arrow buttons, each arrow button representing a direction of use of colour settings of a corresponding colour entity; and

a colour settings manager for controlling colour settings of the multiple colour entities in accordance with the colour relation setting input by the user so as to assist the user to manage colour settings of the multiple colour entities.

Claim 12 (cancelled)

Claim 13 (currently amended): A method for assisting colour management of multiple colour entities, the method comprising the steps of:

presenting to the user representations, each representing each of the multiple colour entities; and

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presenting to the user one or more relation indicators indicating colour relation between the multiple colour entities represented by the representations so as to assist the user to manage colour settings of the multiple colour entities,

wherein the step of presenting one or more relation indicators comprises the step of presenting to the user the relation indicators as arrow buttons to represent directions of use of colour settings of the multiple colour entities.

Claim 14 (original): The method as claimed in claim 13 further comprising a step of:

receiving user input to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.

Claim 15 (original): The method as claimed in claim 14 further comprising a step of:

changing the appearance of a relation indicator when the relation indicator is selected by the user.

Claim 16 (cancelled):

Claim 17 (previously presented): The method as claimed in claim 13, wherein the step of presenting one or more relation indicators comprises a step of presenting to the user colour relation indicators which are available for user's selection.

Claim 18 (previously presented): The method as claimed in claim 13, wherein the step of presenting one or more relation indicators comprises the steps of:

generating, in accordance with the relation indicator selected by the user, colour matching data indicating a colour entity whose colour settings is used for colour matching; and

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sending the colour matching data to a colour settings manager for changing the colour settings for colour matching of a relevant colour entity based on the colour settings indicated in the colour matching data.

Claim 19 (previously presented): The method as claimed in claim 13 further comprising the steps of:

associating each representation of each of the multiple colour entities with a colour profile of the colour entity; and

presenting to the user the colour profile to allow access thereto by the user.

Claim 20 (previously presented): The method as claimed in claim 19, wherein the associating step comprises a step of using a colour profile storage to obtain colour profiles of the multiple colour entities.

Claim 21 (previously presented): The method as claimed in claim 19, wherein the step of presenting the colour profiles comprises a step of presenting to the user the colour profile as a secondary level which is accessible from a main level where standard settings are presented.

Claim 22 (currently amended): A computer program product for use in a colour management system for assisting colour management of multiple colour entities, the computer program product comprising:

a module for presenting to the user representations, each representing each of the multiple colour entities; and

a module for presenting to the user one or more relation indicators indicating colour relation between the multiple colour entities represented by the representations so as to assist the user to manage colour settings of the multiple colour entities,

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wherein the module for presenting one or more relation indicators presents to the user the relation indicators as arrow buttons, each arrow button representing a direction of use of colour settings of a corresponding colour entity.

Claim 23 (original): The computer program product as claimed in claim 22 further comprising:

a module for allowing a user to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.

Claim 24 (original): The computer program product as claimed in claim 23 further comprising:

a module for changing the appearance of a relation indicator when the relation indicator is selected by the user.

Claim 25 (previously presented): The computer program product as claimed in claim 22 further comprising:

a module for associating each representation of each of the multiple colour entities with a colour profile of the colour entity; and

a module for presenting to the user the colour profile to allow access thereto by the user.

Claim 26 (previously presented): The computer program product as claimed in claim 25, wherein the module for presenting the colour profiles comprises a module for presenting the colour profile as a secondary level which is accessible from a main level where standard settings are presented.

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Claim 27 (currently amended): A computer readable memory element storing the instructions or statements for use in the execution in a computer of a method for assisting colour management of multiple colour entities, the method comprising the steps of:

presenting to the user representations, each representing each of the multiple colour entities; and

presenting to the user one or more relation indicators indicating colour relation between the multiple colour entities represented by the representations so as to assist the user to manage colour settings of the multiple colour entities,

wherein the step of presenting one or more relation indicators comprises the step of presenting to the user the relation indicators as arrow buttons to represent directions of use of colour settings of the multiple colour entities.

Claim 28 (original): The computer readable memory element as claimed in claim 27, wherein the method further comprises a step of:

receiving user input to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.

Claim 29 (original): The computer readable memory element as claimed in claim 28, wherein the method further comprises a step of:

changing the appearance of a relation indicator when the relation indicator is selected by the user.

Claim 30 (previously presented): The computer readable memory element as claimed in claim 27, wherein the method further comprises the steps of:

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associating each representation of each of the multiple colour entities with a colour profile of the colour entity; and

presenting to the user the colour profile to allow access thereto by the user.

Claim 31 (previously presented): The computer readable memory element as claimed in claim 30, wherein the step of presenting the colour profiles comprises a step of presenting the colour profile as a secondary level which is accessible from a main level where standard settings are presented.

Claim 32 (currently amended): Electronic signals for use in the execution in a computer of a method for assisting colour management of multiple colour entities, the method comprising the steps of:

presenting to the user representations, each representing each of the multiple colour entities; and

presenting to the user one or more relation indicators indicating colour relation between the multiple colour entities represented by the representations to assist the user to manage colour settings of the multiple colour entities,

wherein the step of presenting one or more relation indicators comprises the step of presenting to the user the relation indicators as arrow buttons to represent directions of use of colour settings of the multiple colour entities.

Claim 33 (original): The signals as claimed in claim 32, wherein the method further comprises a step of:

receiving user input to select a relation indicator to manage the colour relation between colour entities that correspond to the relation indicator.

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Claim 34 (original): The signals as claimed in claim 33, wherein the method further comprises a step of:

changing the appearance of a relation indicator when the relation indicator is selected by the user.

Claim 35 (previously presented): The signals as claimed in claim 32, wherein the method further comprises the steps of:

associating each representation of each of the multiple colour entities with a colour profile of the colour entity; and

presenting to the user the colour profile to allow access thereto by the user.

Claim 36 (previously presented): The signals as claimed in claim 35, wherein the step of presenting the colour profiles comprises a step of presenting the colour profile as a secondary level which is accessible from a main level where standard settings are presented.

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